

What is claimed is

1. A composition containing tripolyphosphate and water-soluble chitosan for stimulating bone-formation and bone-consolidation.  
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2. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the composition could additively contain a material for stimulating bone-formation and bone-consolidation.  
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3. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 2, wherein the material for stimulating bone-formation and bone-consolidation is selected from a group consisting of  $\beta$  ig-h3, bone morphogenic protein, TGF- $\beta$  , FGF, IGF-1 and PDGF.  
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4. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the ratio of tripolyphosphate to water-soluble chitosan is 20:80 ~ 80:20 weight%.  
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5. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 4, wherein the ratio of tripolyphosphate to water-soluble chitosan is 50:50 weight%.

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6. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 3, wherein the  $\beta$  ig-h3 is added at the concentration of 100  $\mu\text{g}/\text{ml}$  ~ 1  $\mu\text{g}/\text{ml}$ .

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7. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 3, wherein the bone morphogenic protein is added at the concentration of 50  $\text{ng}/\text{ml}$  ~ 500  $\text{ng}/\text{ml}$ .

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8. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 6, wherein the  $\beta$  ig-h3 is added at the concentration of 300  $\mu\text{g}/\text{ml}$  ~ 600  $\mu\text{g}/\text{ml}$ .

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9. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 7, wherein the bone morphogenic protein is added at the concentration of 100  $\text{ng}/\text{ml}$  ~ 300  $\text{ng}/\text{ml}$ .

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10. The composition for stimulating bone-formation and bone-consolidation as set forth in claim 4, wherein the bone morphogenic protein is BMP-4.